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ATTORNEY DOCKET NO. CONFIRMATION NO. FIRST NAMED INVENTOR APPLICATION NO. FILING DATE

09 898,469 07 05 2001 Gang Paul Chen ChenInterleave

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7590

11/05/2002

JONES, TULLAR & COOPER, P.C. P.O. BOX 2266 EADS STATION ARLINGTON, VA 22202

EXAMINER

JUBA JR, JOHN

ART UNIT PAPER NUMBÉR

2872

DATE MAILED: 11/05/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Summary	09/898,469	CHEN ET AL.	
	Examiner	Art Unit	
	John Juba	2872	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet v	vith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailin earned patent term adjustment See 37 CFR 1 704(b) Status	136(a) In no event, however, may a ly within the statutory minimum of th will apply and will expire SIX (6) MC e, cause the application to become a	reply be timely filed irty (30) days will be considered timely NTHS from the mailing date of this communication NBANDONED (35 U.S.C. § 133)	תכ
Responsive to communication(s) filed on			
	— · nis action is non-final.		
3) Since this application is in condition for allow		attors, proposution as to the morits	ic
closed in accordance with the practice under Disposition of Claims			15
4)⊡ Claim(s) <u>1-113</u> is/are pending in the application	on.		
4a) Of the above claim(s) is/are withdra			
5) Claim(s) is/are allowed.			
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) <u>1-113</u> are subject to restriction and/o	r election requirement.		
Application Papers	·		
9)☐ The specification is objected to by the Examine	er.		
10) The drawing(s) filed on 05 July 2001 is/are: a)	⊠ accepted or b)☐ objecte	d to by the Examiner.	
Applicant may not request that any objection to the	ne drawing(s) be held in abe	yance. See 37 CFR 1.85(a).	
11) The proposed drawing correction filed on	_ is: a) ☐ approved b) ☐	disapproved by the Examiner.	
If approved, corrected drawings are required in re	eply to this Office action.		
12) The oath or declaration is objected to by the Ex	xaminer.		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C	§ 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			
1. Certified copies of the priority document	ts have been received.		
2. Certified copies of the priority document	ts have been received in	Application No	
3. Copies of the certified copies of the priceapplication from the International But* See the attached detailed Office action for a list	ureau (PCT Rule 17.2(a))		
14) Acknowledgment is made of a claim for domest	tic priority under 35 U.S.C	. § 119(e) (to a provisional applica	tion).
a) The translation of the foreign language pro	• •		
Attachment(s)		55 == = = = = = = = = = = = = = = = = =	
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of	v Summary (PTO-413) Paper No(s) f Informal Patent Application (PTO-152)	
S. Patent and Trademark Office			

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Election/Restrictions

This application contains claims directed to the following patentably distinct species of the claimed invention:

- I. Wave plate manipulation to achieve tuning of an optical interleaver/deinterleaver.
- II. Wave plate manipulation to achieve a quadratic group delay characteristic in an optical interleaver/deinterleaver.
- III. Retardation stage manipulation to achieve a quadratic group delay characteristic in an optical interleaver/deinterleaver.
- IV. Chromatic dispersion compensation in an optical interleaver/deinterleaver.
- V. Polarization dispersion compensation in an optical interleaver or deinterleaver.
- VI. Beam splitter manipulation in a synthetic birefringent apparatus to change the period of a comb filter response.
- VII. Wave plate manipulation to achieve tuning of a synthetic birefringent apparatus.
- VIII. Chromatic dispersion compensation of a synthetic birefringent apparatus.
- IX. Synthetic birefringent apparatus having equal geometrical path lengths.
- X. Synthetic birefringent apparatus having different geometrical path lengths.
- XI. Synthetic birefringent apparatus having multiple glass types in at least one path.
- XII. Synthetic birefringent apparatus have a length of air in at least one path.

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- XIII. Synthetic birefringent apparatus having temperature compensated path lengths.
- XIV. Multistage synthetic birefringent apparatus having polarization mode dispersion.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic to all of the species.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over

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the prior art, the evidence or admission may be used in a rejection under 35

U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must

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include an election of the invention to be examined even though the requirement be

traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected

invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one

or more of the currently named inventors is no longer an inventor of at least one claim

remaining in the application. Any amendment of inventorship must be accompanied by

a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Examiner Juba whose telephone number is (703) 308-

4812. The examiner can normally be reached on Mon.-Fri. 9 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Cassandra Spyrou can be reached on Mon.- Thu., 9 - 5. The fax phone

numbers for the organization where this application or proceeding is assigned are (703)

872-9318 for regular communications and (703) 872-9319 for After Final

communications.

John Juba

Examiner, GAU 2872

November 1, 2002